Surface Science 188 (1987) 609–613
North-Holland, Amsterdam

AUTHOR INDEX

Aarts, J. and P.K. Larsen, Monolayer and bilayer growth on Ge(111) and Si(111) 188 (1987) 391
Agrawal, P.M., L.M. Raff and D.L. Thompson, Effect of the lattice model on the dynamics of dissociative chemisorption of H_2 on a Si(111) surface 188 (1987) 402
Altman, E., see Gorte 188 (1987) 327
Amoddeo, A., see Caputi 188 (1987) 63
Aruga, T., see Egawa 188 (1987) 563
Asbury, D.A., see Gorte 188 (1987) 327
Attard, G.A. and D.A. King, Two-dimensional surface alloys: copper on W(100) 188 (1987) 589

Baddorf, A.P., see Mundenar 188 (1987) 15
Badyal, J.P.S., A.J. Gellman and R.M. Lambert, The origin of certain features in the Auger spectrum of Ru(0001): impurities, Auger transitions or diffraction effects? 188 (1987) 557
Bao, S., see McConville 188 (1987) 1
Basu, S., see Mandal 188 (1987) 235
Bauer, E., see Paunov 188 (1987) 123
Benson, J.A., see Knapp 188 (1987) L675
Bernasek, S.L., see Smith 188 (1987) 241
Bevolo, A.J., see Lee 188 (1987) 267
Bickel, N., see Nichtl 188 (1987) L729
Bonev, Ch., see Palazov 188 (1987) 505
Bono, J. and R.H. Good, Jr., Conductance oscillations in scanning tunneling microscopy as a probe of the surface potential 188 (1987) 153
Bornemann, T., see Pettenkofer 188 (1987) 519
Bose, D.N., see Mandal 188 (1987) 235
Bradshaw, A.M., see Somers 188 (1987) L693
Brand, J.L., see Mak 188 (1987) 312
Bugyi, L. and F. Solymosi, Interaction of NO with clean and K-dosed Rh(111) surfaces. I. AES, TDS and work function studies 188 (1987) 475

Canullo, J., Y. Uchida, G. Lehmpfuhl, T. Twomey and D.M. Kolb, An electron microscopic investigation of the electrochemical facetting of platinum 188 (1987) 350
Caputi, L.S., G. Chiarello and A. Amoddeo, Oxygen-covered Ni(110) studied by AES and EELFS 188 (1987) 63
Carter, J.N., V.M. Dwyer and B.W. Holland, Empirical tight binding cluster method for semiconductor surface structures 188 (1987) L723
Chiarello, G., see Caputi 188 (1987) 63
Chulkov, E.V., V.M. Silkin and E.N. Shirykalov, Surface electronic structure of Be(0001) and Mg(0001) 188 (1987) 287
Conrad, H., see Somers 188 (1987) L693
Corallo, G.R., see Gorte 188 (1987) 327

Davidson, M.R., see Gorte 188 (1987) 327
Derks, H., J. Möller and W. Heiland, The short range order surface structure of Au(110) in the range of the (1 × 2) to (1 × 1) phase transition 188 (1987) L685
Didio, R.A., see Mundenar 188 (1987) 15
Duke, C.B., see Wang 188 (1987) L708
Duš, R., see Lisowski 188 (1987) L735
Dwyer, V.M., see Carter 188 (1987) L723

Egawa, C., T. Aruga and Y. Iwasawa, Epitaxial growth of Fe overlayers on the Ru(001) surface 188 (1987) 563
Entelis, S.G., see Ippolitova 188 (1987) 301
Ercolessi, F., see Garofalo 188 (1987) 321

Fernández, L., V.R. Velasco and F. Garcia-Moliner, Bulk and surface Bleustein–Gulyaev waves in piezoelectric superlattices 188 (1987) 140
Frenken, J.W.M., see Holub-Krappe 188 (1987) 335
Froitzheim, H. and U. Köhler, Kinetics of the adsorption of CO on Ni(111) 188 (1987) 70
Fujisawa, M., see Kuwahara 188 (1987) 490
Funke, P. and G. Materlik, Adsorption sites of bromine on Si(111)1 × 1 and 7 × 7 surfaces 188 (1987) 378

Garcia-Moliner, F., see Fernández 188 (1987) 140
Garofalo, M., E. Tosatti and F. Ercolessi, Structure, energetics, and low-temperature behaviour of the Au(110) reconstructed surface 188 (1987) 321
Gellman, A.J., see Badyal 188 (1987) 557
George, S.M., see Mak 188 (1987) 312
Good, Jr., R.H., see Bono 188 (1987) 153
Gorte, R.J., E. Altman, G.R. Corallo, M.R. Davidson, D.A. Asbury and G.B. Hoflund, A characterization of thin titania layers deposited on polycrystalline Pt using ISS and ESCA 188 (1987) 327

Hammer, L., see Nichtl 188 (1987) L729
Hansen, J.C., see Knapp 188 (1987) L675
Hegde, M.S., T.S. Sampath Kumar and R.M. Mallya, XPS, UPS and AES study of surface segregation and oxidation of Ni–Ru alloy: evidence for decrease in dissociation temperature of NiO in the presence of Ru 188 (1987) 255
Heiland, W., see Derks 188 (1987) L685
Heinz, K., see Nichtl 188 (1987) L729
Henderson, M.A., G.E. Mitchell and J.M. White, The decomposition of formaldehyde on Pt(111): a TPD and HREELS study 188 (1987) 206
Hock, M. and J. Küppers, Interaction of hydrogen and oxygen at Ni(111) surfaces 188 (1987) 575
Hoffmann, P. and E. Knözinger, Novel aspects of mid and far IR Fourier spectroscopy applied to surface and adsorption studies on SiO_2 188 (1987) 181
Hoflund, G.B., see Gorte 188 (1987) 327
Holland, B.W., see Carter 188 (1987) L723
Holub-Krappe, E., K. Horn, J.W.M. Frenken, R.L. Krans and J.F. van der Veen, Multilayer relaxation at the Ag(110) surface 188 (1987) 335
Horn, K., see Holub-Krappe 188 (1987) 335
Hwang, S.Y., E.G. Seebauer and L.D. Schmidt, Decomposition of CH_3NH_2 on Pt(111) 188 (1987) 219

Inglesfield, J.E., The screening of an electric field at an Al(001) surface 188 (1987) L701
Ippolitova, S.F., I.V. Kumpanenko and S.G. Entelis, Vibrational spectra of adsorbate islands: simple formulae for calculating frequencies and band intensities 188 (1987) 301
Iwasawa, Y., see Egawa 188 (1987) 563

Jablonski, A., Effects of Auger electron elastic scattering in quantitative AES 188 (1987) 164
Jo, M., see Kuwahara 188 (1987) 490
Jones, R.G. and A.W.-L. Tong, Mercury adsorption on Ni{100} 188 (1987) 87

Kadinov, G., see Palazov 188 (1987) 505
Kasai, H., see Okiji 188 (1987) L717
Kato, H., see Komeda 188 (1987) 32
Kato, H., see Komeda 188 (1987) 45
King, D.A., see Attard 188 (1987) 589
Knapp, B.J., J.C. Hansen, J.A. Benson and J.G. Tobin, The electronic structure of gold overlayers on Cu(100) 188 (1987) L675
Knözinger, E., see Hoffmann 188 (1987) 181
Koehler, B.G., see Mak 188 (1987) 312
Köhler, U., see Froitzheim 188 (1987) 70
Kolb, D.M., see Canullo 188 (1987) 350
Komeda, T., Y. Sakisaka, M. Onchi, H. Kato, S. Masuda and K. Yagi, Angle-resolved photoemission study of the interaction of oxygen with a Ni(110) surface. I. Adsorption at 80 K 188 (1987) 32
Komeda, T., Y. Sakisaka, M. Onchi, H. Kato, S. Masuda and K. Yagi, Angle-resolved photoemission study of the interaction of oxygen with a Ni(110) surface. II. Adsorption at 300 K 188 (1987) 45
Kordesch, M.E., see Somers 188 (1987) L693
Krans, R.L., see Holub-Krappe 188 (1987) 335
Kumpanenko, I.V., see Ippolitova 188 (1987) 301
Küppers, J., see Hock 188 (1987) 575
Kuwahara, Y., M. Fujisawa, M. Jo, M. Onchi and M. Nishijima, Interactions of Pd(110) with $(N_2 + N)$ – EELS, AES and LEED studies 188 (1987) 490

Lambert, R.M., see Badyal 188 (1987) 557
Larsen, P.K., see Aarts 188 (1987) 391
Lee, YoungPak, A.J. Bevolo and D.W. Lynch, Studies of the initial oxidation of Fe–Si alloys by AES, XPS and EELS 188 (1987) 267
Lehmpfuhl, G., see Canullo 188 (1987) 350
Lehmpfuhl, G., see Uchida 188 (1987) 364
Lin, R.-F., see Wang 188 (1987) 199
Lindblad, M., see Pakkanen 188 (1987) 456
Lindner, Th., see Somers 188 (1987) L693
Lisowski, E., L. Stobiński and R. Duś, On the influence of the way of thin gold films preparation on the character of hydrogen adsorption 188 (1987) L735
Llebaria, A., see Varnier 188 (1987) 107
Lynch, D.W., see Lee 188 (1987) 267

Mailhiot, C., see Wang 188 (1987) L708
Mak, C.H., J.L. Brand, B.G. Koehler and S.M. George, Isotope effect in the surface diffusion of hydrogen and deuterium on Ru(001) 188 (1987) 312

Makkonen, P., see Pakkanen 188 (1987) 456
Mallya, R.M., see Hegde 188 (1987) 255
Mandal, K.C., S. Basu and D.N. Bose, Effect of surface modification on sub-bandgap response of n-CdTe photoelectrodes 188 (1987) 235
Masuda, S., see Komeda 188 (1987) 32
Masuda, S., see Komeda 188 (1987) 45
Materlik, G., see Funke 188 (1987) 378
Mayani, N., see Varnier 188 (1987) 107
McConville, C.F., D.L. Seymour, D.P. Woodruff and S. Bao, Synchrotron radiation core level photoemission investigation of the initial stages of oxidation of Al(111) 188 (1987) 1
Mitchell, G.E., see Henderson 188 (1987) 206
Mitchell, K.A.R., see Zeng 188 (1987) 599
Möller, J., see Derks 188 (1987) L685
Morán-López, J.L., see Mukherjee 188 (1987) L742
Mrozek, I., see Pettenkofer 188 (1987) 519
Mukherjee, S. and J.L. Morán-López, Theory of surface segregation in transition-metal alloys 188 (1987) L742
Müller, K., see Nichtl 188 (1987) L729
Mundenar, J.M., A.P. Baddorf, E.W. Plummer, L.G. Sneddon, R.A. Didio and D.M. Zehner, Oxygen chemisorption on copper (110) 188 (1987) 15

Nevalainen, V., see Pakkanen 188 (1987) 456
Nichtl, W., N. Bickel, L. Hammer, K. Heinz and K. Müller, Surface relaxation change by hydrogen adsorption on Rh(110) 188 (1987) L729
Nishijima, M., see Kuwahara 188 (1987) 490

Okiji, A. and H. Kasai, Magnetic field dependence of the friction coefficient of adatoms on metal surfaces 188 (1987) L717
Onchi, M., see Komeda 188 (1987) 32
Onchi, M., see Komeda 188 (1987) 45
Onchi, M., see Kuwahara 188 (1987) 490
Otto, A., see Pettenkofer 188 (1987) 519

Pakkanen, T.A., V. Nevalainen, M. Lindblad and P. Makkonen, Surface models for ZnS thin films. Theoretical studies on the mechanism of the growth of zinc sulfide by atomic layer epitaxy techniques 188 (1987) 456
Palazov, A., G. Kadinov, Ch. Bonev and D. Shopov, Estimation of the number of CO molecules adsorbed in various modes on different crystal planes of alumina supported polycrystalline palladium 188 (1987) 505
Paunov, M. and E. Bauer, A multimethod study of the condensation of Ag on Mo(110) 188 (1987) 123
Pettenkofer, C., I. Mrozek, T. Bornemann and A. Otto, On the contribution of classical electromagnetic field enhancement to Raman scattering from adsorbates on coldly deposited silver films 188 (1987) 519
Plummer, E.W., see Mundenar 188 (1987) 15

Raff, L.M., see Agrawal 188 (1987) 402
Rasigni, G., see Varnier 188 (1987) 107
Rasigni, M., see Varnier 188 (1987) 107

Sakisaka, Y., see Komeda 188 (1987) 32
Sakisaka, Y., see Komeda 188 (1987) 45
Sampath Kumar, T.S., see Hegde 188 (1987) 255
Schmidt, L.D., see Hwang 188 (1987) 219
Seebauer, E.G., see Hwang 188 (1987) 219
Seymour, D.L., see McConville 188 (1987) 1
Shirykalov, E.N., see Chulkov 188 (1987) 287
Shopov, D., see Palazov 188 (1987) 505
Silkin, V.M., see Chulkov 188 (1987) 287
Smith, P.B. and S.L. Bernasek, The adsorption of water on TiO_2(001) 188 (1987) 241
Sneddon, L.G., see Mundenar 188 (1987) 15
Sodhi, R.N.S., see Zeng 188 (1987) 599
Solymosi, F., see Bugyi 188 (1987) 475
Somers, J., M.E. Kordesch, Th. Lindner, H. Conrad, A.M. Bradshaw and G.P. Williams, An adsorbed diatomic molecule showing parallel bonding: CN/Pd(111) 188 (1987) L693
Stobiński, L., see Lisowski 188 (1987) L735

Thompson, D.L., see Agrawal 188 (1987) 402
Tobin, J.G., see Knapp 188 (1987) L675
Tong, A.W.-L., see Jones 188 (1987) 87
Tosatti, E., see Garofalo 188 (1987) 321
Twomey, T., see Canullo 188 (1987) 350

Uchida, Y., see Canullo 188 (1987) 350
Uchida, Y. and G. Lehmpfuhl, Reflection electron microscopic observation of crystal surfaces on a Si cylindrical specimen 188 (1987) 364
Ueba, H., Chemical effects on vibrational properties of adsorbed molecules on metal surfaces: coverage dependence 188 (1987) 421

Van der Veen, J.F., see Holub-Krappe 188 (1987) 335
Varnier, F., N. Mayani, G. Rasigni, M. Rasigni and A. Llebaria, Study of the surface roughness for thin films of LiF and Ag/LiF 188 (1987) 107
Velasco, V.R., see Fernández 188 (1987) 140

Wang, H.-C., R.-F. Lin and X. Wang, High temperature nitridation structures of the Si(111)-(7 × 7) surface 188 (1987) 199
Wang, X., see Wang 188 (1987) 199
Wang, Y.R., C.B. Duke and C. Mailhiot, Electronic and atomic structure of cleavage faces of ZnSe 188 (1987) L708
White, J.M., see Henderson 188 (1987) 206
Williams, G.P., see Somers 188 (1987) L693
Woodruff, D.P., see McConville 188 (1987) 1

Yagi, K., see Komeda 188 (1987) 32
Yagi, K., see Komeda 188 (1987) 45

Zehner, D.M., see Mundenar 188 (1987) 15
Zeng, H.C., R.N.S. Sodhi and K.A.R. Mitchell, A LEED crystallographic analysis for the Cu(100)c(2 × 2)-N surface structure 188 (1987) 599

Surface Science 188 (1987) 614–625
North-Holland, Amsterdam

SUBJECT INDEX

Adsorption isotherms, see also Chemisorption theory

R.G. Jones and A.W.-L. Tong, Mercury adsorption on Ni{100} 188 (1987) 87

Alkali halides

F. Varnier, N. Mayani, G. Rasigni, M. Rasigni and A. Llebaria, Study of the surface roughness for thin films of LiF and Ag/LiF 188 (1987) 107

Alkali metals

L. Bugyi and F. Solymosi, Interaction of NO with clean and K-dosed Rh(111) surfaces. I. AES, TDS and work function studies 188 (1987) 475

Alloys

M.S. Hegde, T.S. Sampath Kumar and R.M. Mallya, XPS, UPS and AES study of surface segregation and oxidation of Ni–Ru alloy: evidence for decrease in dissociation temperature of NiO in the presence of Ru 188 (1987) 255

YoungPak Lee, A.J. Bevolo and D.W. Lynch, Studies of the initial oxidation of Fe–Si alloys by AES, XPS and EELS 188 (1987) 267

S. Mukherjee and J.L. Morán-López, Theory of surface segregation in transition-metal alloys 188 (1987) L742

Aluminium

C.F. McConville, D.L. Seymour, D.P. Woodruff and S. Bao, Synchrotron radiation core level photoemission investigation of the initial stages of oxidation of Al(111) 188 (1987) 1

J.E. Inglesfield, The screening of an electric field at an Al(001) surface 188 (1987) L701

Auger electron spectroscopy

L.S. Caputi, G. Chiarello and A. Amoddeo, Oxygen-covered Ni(110) studied by AES and EELFS 188 (1987) 63

A. Jablonski, Effects of Auger electron elastic scattering in quantitative AES 188 (1987) 164

S.Y. Hwang, E.G. Seebauer and L.D. Schmidt, Decomposition of CH_3NH_2 on Pt(111) 188 (1987) 219

M.S. Hegde, T.S. Sampath Kumar and R.M. Mallya, XPS, UPS and AES study of surface segregation and oxidation of Ni–Ru alloy: evidence for decrease in dissociation temperature of NiO in the presence of Ru 188 (1987) 255

YoungPak Lee, A.J. Bevolo and D.W. Lynch, Studies of the initial oxidation of Fe–Si alloys by AES, XPS and EELS 188 (1987) 267
L. Bugyi and F. Solymosi, Interaction of NO with clean and K-dosed Rh(111) surfaces. I. AES, TDS and work function studies 188 (1987) 475
J.P.S. Badyal, A.J. Gellman and R.M. Lambert, The origin of certain features in the Auger spectrum of Ru(0001): impurities, Auger transitions or diffraction effects? 188 (1987) 557
C. Egawa, T. Aruga and Y. Iwasawa, Epitaxial growth of Fe overlayers on the Ru(001) surface 188 (1987) 563

Band structure

T. Komeda, Y. Sakisaka, M. Onchi, H. Kato, S. Masuda and K. Yagi, Angle-resolved photoemission study of the interaction of oxygen with a Ni(110) surface. II. Adsorption at 300 K 188 (1987) 45

Beryllium

E.V. Chulkov, V.M. Silkin and E.N. Shirykalov, Surface electronic structure of Be(0001) and Mg(0001) 188 (1987) 287

Cadmium sulphide

L. Fernández, V.R. Velasco and F. Garcia-Moliner, Bulk and surface Bleustein–Gulyaev waves in piezoelectric superlattices 188 (1987) 140

Cadmium telluride

K.C. Mandal, S. Basu and D.N. Bose, Effect of surface modification on sub-bandgap response of n-CdTe photoelectrodes 188 (1987) 235

Carbon monoxide

H. Froitzheim and U. Köhler, Kinetics of the adsorption of CO on Ni(111) 188 (1987) 70
H. Ueba, Chemical effects on vibrational properties of adsorbed molecules on metal surfaces: coverage dependence 188 (1987) 421
A. Palazov, G. Kadinov, Ch. Bonev and D. Shopov, Estimation of the number of CO molecules adsorbed in various modes on different crystal planes of alumina supported polycrystalline palladium 188 (1987) 505
C. Pettenkofer, I. Mrozek, T. Bornemann and A. Otto, On the contribution of classical electromagnetic field enhancement to Raman scattering from adsorbates on coldly deposited silver films 188 (1987) 519

Chemisorption theory

A. Okiji and H. Kasai, Magnetic field dependence of the friction coefficient of adatoms on metal surfaces 188 (1987) L717
P.M. Agrawal, L.M. Raff and D.L. Thompson, Effect of the lattice model on the dynamics of dissociative chemisorption of H_2 on a Si(111) surface 188 (1987) 402
T.A. Pakkanen, V. Nevalainen, M. Lindblad and P. Makkonen, Surface models for ZnS thin films. Theoretical studies on the mechanism of the growth of zinc sulfide by atomic layer epitaxy techniques 188 (1987) 456

Clusters

J.N. Carter, V.M. Dwyer and B.W. Holland, Empirical tight binding cluster method for semiconductor surface structures 188 (1987) L723

Copper

B.J. Knapp, J.C. Hansen, J.A. Benson and J.G. Tobin, The electronic structure of gold overlayers on Cu(100) 188 (1987) L675
J.M. Mundenar, A.P. Baddorf, E.W. Plummer, L.G. Sneddon, R.A. Didio and D.M. Zehner, Oxygen chemisorption on copper (110) 188 (1987) 15
G.A. Attard and D.A. King, Two-dimensional surface alloys: copper on W(100) 188 (1987) 589
H.C. Zeng, R.N.S. Sodhi and K.A.R. Mitchell, A LEED crystallographic analysis for the Cu(100)c(2 × 2)-N surface structure 188 (1987) 599

Cyanogen

J. Somers, M.E. Kordesch, Th. Lindner, H. Conrad, A.M. Bradshaw and G.P. Williams, An adsorbed diatomic molecule showing parallel bonding: CN/Pd(111) 188 (1987) L693

Deuterium

C.H. Mak, J.L. Brand, B.G. Koehler and S.M. George, Isotope effect in the surface diffusion of hydrogen and deuterium on Ru(001) 188 (1987) 312

Electron diffraction, see also Low energy electron diffraction

J. Aarts and P.K. Larsen, Monolayer and bilayer growth on Ge(111) and Si(111) 188 (1987) 391
J.P.S. Badyal, A.J. Gellman and R.M. Lambert, The origin of certain features in the Auger spectrum of Ru(0001): impurities, Auger transitions or diffraction effects? 188 (1987) 557

Electron loss spectroscopy

J.M. Mundenar, A.P. Baddorf, E.W. Plummer, L.G. Sneddon, R.A. Didio and D.M. Zehner, Oxygen chemisorption on copper (110) 188 (1987) 15
L.S. Caputi, G. Chiarello and A. Amoddeo, Oxygen-covered Ni(110) studied by AES and EELFS 188 (1987) 63
H. Froitzheim and U. Köhler, Kinetics of the adsorption of CO on Ni(111) 188 (1987) 70
M. Paunov and E. Bauer, A multimethod study of the condensation of Ag on Mo(110) 188 (1987) 123
H.-C. Wang, R.-F. Lin and X. Wang, High temperature nitridation structures of the Si(111)-(7 × 7) surface 188 (1987) 199
M.A. Henderson, G.E. Mitchell and J.M. White, The decomposition of formaldehyde on Pt(111): a TPD and HREELS study 188 (1987) 206
P.B. Smith and S.L. Bernasek, The adsorption of water on TiO_2(001) 188 (1987) 241
YoungPak Lee, A.J. Bevolo and D.W. Lynch, Studies of the initial oxidation of Fe–Si alloys by AES, XPS and EELS 188 (1987) 267

H. Ueba, Chemical effects on vibrational properties of adsorbed molecules on metal surfaces: coverage dependence 188 (1987) 421
Y. Kuwahara, M. Fujisawa, M. Jo, M. Onchi and M. Nishijima, Interactions of Pd(110) with (N_2 + N) – EELS, AES and LEED studies 188 (1987) 490

Electron microscopy

F. Varnier, N. Mayani, G. Rasigni, M. Rasigni and A. Llebaria, Study of the surface roughness for thin films of LiF and Ag/LiF 188 (1987) 107
J. Canullo, Y. Uchida, G. Lehmpfuhl, T. Twomey and D.M. Kolb, An electron microscopic investigation of the electrochemical facetting of platinum 188 (1987) 350
Y. Uchida and G. Lehmpfuhl, Reflection electron microscopic observation of crystal surfaces on a Si cylindrical specimen 188 (1987) 364

Electron scattering

A. Jablonski, Effects of Auger electron elastic scattering in quantitative AES 188 (1987) 164

Ethane

C. Pettenkofer, I. Mrozek, T. Bornemann and A. Otto, On the contribution of classical electromagnetic field enhancement to Raman scattering from adsorbates on coldly deposited silver films 188 (1987) 519

Gallium arsenide

J.N. Carter, V.M. Dwyer and B.W. Holland, Empirical tight binding cluster method for semiconductor surface structures 188 (1987) L723

Germanium

J. Aarts and P.K. Larsen, Monolayer and bilayer growth on Ge(111) and Si(111) 188 (1987) 391

Gold

B.J. Knapp, J.C. Hansen, J.A. Benson and J.G. Tobin, The electronic structure of gold overlayers on Cu(100) 188 (1987) L675
H. Derks, J. Möller and W. Heiland, The short range order surface structure of Au(110) in the range of the (1 × 2) to (1 × 1) phase transition 188 (1987) L685
E. Lisowski, L. Stobiński and R. Duś, On the influence of the way of thin gold films preparation on the character of hydrogen adsorption 188 (1987) L735
M. Garofalo, E. Tosatti and F. Ercolessi, Structure, energetics, and low-temperature behaviour of the Au(110) reconstructed surface 188 (1987) 321

Halogens

P. Funke and G. Materlik, Adsorption sites of bromine on Si(111)1 × 1 and 7 × 7 surfaces 188 (1987) 378

Hydrogen

C.H. Mak, J.L. Brand, B.G. Koehler and S.M. George, Isotope effect in the surface diffusion of hydrogen and deuterium on Ru(001) 188 (1987) 312
W. Nichtl, N. Bickel, L. Hammer, K. Heinz and K. Müller, Surface relaxation change by hydrogen adsorption on Rh(110) 188 (1987) L729
E. Lisowski, L. Stobiński and R. Duś, On the influence of the way of thin gold films preparation on the character of hydrogen adsorption 188 (1987) L735
P.M. Agrawal, L.M. Raff and D.L. Thompson, Effect of the lattice model on the dynamics of dissociative chemisorption of H_2 on a Si(111) surface 188 (1987) 402
M. Hock and J. Küppers, Interaction of hydrogen and oxygen at Ni(111) surfaces 188 (1987) 575

Infrared spectroscopy

P. Hoffmann and E. Knözinger, Novel aspects of mid and far IR Fourier spectroscopy applied to surface and adsorption studies on SiO_2 188 (1987) 181
S.F. Ippolitova, I.V. Kumpanenko and S.G. Entelis, Vibrational spectra of adsorbate islands: simple formulae for calculating frequencies and band intensities 188 (1987) 301
H. Ueba, Chemical effects on vibrational properties of adsorbed molecules on metal surfaces: coverage dependence 188 (1987) 421
A. Palazov, G. Kadinov, Ch. Bonev and D. Shopov, Estimation of the number of CO molecules adsorbed in various modes on different crystal planes of alumina supported polycrystalline palladium 188 (1987) 505

Ion scattering

H. Derks, J. Möller and W. Heiland, The short range order surface structure of Au(110) in the range of the (1×2) to (1×1) phase transition 188 (1987) L685
R.J. Gorte, E. Altman, G.R. Corallo, M.R. Davidson, D.A. Asbury and G.B. Hoflund, A characterization of thin titania layers deposited on polycrystalline Pt using ISS and ESCA 188 (1987) 327
E. Holub-Krappe, K. Horn, J.W.M. Frenken, R.L. Krans and J.F. van der Veen, Multilayer relaxation at the Ag(110) surface 188 (1987) 335
G.A. Attard and D.A. King, Two-dimensional surface alloys: copper on W(100) 188 (1987) 589

Iron

C. Egawa, T. Aruga and Y. Iwasawa, Epitaxial growth of Fe overlayers on the Ru(001) surface 188 (1987) 563

Low energy electron diffraction

R.G. Jones and A.W.-L. Tong, Mercury adsorption on Ni{100} 188 (1987) 87
W. Nichtl, N. Bickel, L. Hammer, K. Heinz and K. Müller, Surface relaxation change by hydrogen adsorption on Rh(110) 188 (1987) L729
C. Egawa, T. Aruga and Y. Iwasawa, Epitaxial growth of Fe overlayers on the Ru(001) surface 188 (1987) 563
H.C. Zeng, R.N.S. Sodhi and K.A.R. Mitchell, A LEED crystallographic analysis for the Cu(100)c(2×2)-N surface structure 188 (1987) 599

Magnesium

E.V. Chulkov, V.M. Silkin and E.N. Shirykalov, Surface electronic structure of Be(0001) and Mg(0001) 188 (1987) 287

Magnetic structure

A. Okiji and H. Kasai, Magnetic field dependence of the friction coefficient of adatoms on metal surfaces 188 (1987) L717

Mercury

R.G. Jones and A.W.-L. Tong, Mercury adsorption on Ni{100} 188 (1987) 87

Molybdenum

M. Paunov and E. Bauer, A multimethod study of the condensation of Ag on Mo(110) 188 (1987) 123

Nickel

T. Komeda, Y. Sakisaka, M. Onchi, H. Kato, S. Masuda and K. Yagi, Angle-resolved photoemission study of the interaction of oxygen with a Ni(110) surface. I. Adsorption at 80 K 188 (1987) 32

T. Komeda, Y. Sakisaka, M. Onchi, H. Kato, S. Masuda and K. Yagi, Angle-resolved photoemission study of the interaction of oxygen with a Ni(110) surface. II. Adsorption at 300 K 188 (1987) 45

L.S. Caputi, G. Chiarello and A. Amoddeo, Oxygen-covered Ni(110) studied by AES and EELFS 188 (1987) 63

H. Froitzheim and U. Köhler, Kinetics of the adsorption of CO on Ni(111) 188 (1987) 70

R.G. Jones and A.W.-L. Tong, Mercury adsorption on Ni{100} 188 (1987) 87

M. Hock and J. Küppers, Interaction of hydrogen and oxygen at Ni(111) surfaces 188 (1987) 575

Nitric oxide

L. Bugyi and F. Solymosi, Interaction of NO with clean and K-dosed Rh(111) surfaces. I. AES, TDS and work function studies 188 (1987) 475

Nitrogen

Y. Kuwahara, M. Fujisawa, M. Jo, M. Onchi and M. Nishijima, Interactions of Pd(110) with (N_2 + N) – EELS, AES and LEED studies 188 (1987) 490

H.C. Zeng, R.N.S. Sodhi and K.A.R. Mitchell, A LEED crystallographic analysis for the Cu(100)c(2 × 2)-N surface structure 188 (1987) 599

Organic substances

M.A. Henderson, G.E. Mitchell and J.M. White, The decomposition of formaldehyde on Pt(111): a TPD and HREELS study 188 (1987) 206

S.Y. Hwang, E.G. Seebauer and L.D. Schmidt, Decomposition of CH_3NH_2 on Pt(111) 188 (1987) 219

Oxygen

C.F. McConville, D.L. Seymour, D.P. Woodruff and S. Bao, Synchrotron radiation core level photoemission investigation of the initial stages of oxidation of Al(111) 188 (1987) 1
J.M. Mundenar, A.P. Baddorf, E.W. Plummer, L.G. Sneddon, R.A. Didio and D.M. Zehner, Oxygen chemisorption on copper (110) 188 (1987) 15
T. Komeda, Y. Sakisaka, M. Onchi, H. Kato, S. Masuda and K. Yagi, Angle-resolved photoemission study of the interaction of oxygen with a Ni(110) surface. I. Adsorption at 80 K 188 (1987) 32
T. Komeda, Y. Sakisaka, M. Onchi, H. Kato, S. Masuda and K. Yagi, Angle-resolved photoemission study of the interaction of oxygen with a Ni(110) surface. II. Adsorption at 300 K 188 (1987) 45
L.S. Caputi, G. Chiarello and A. Amoddeo, Oxygen-covered Ni(110) studied by AES and EELFS 188 (1987) 63
M.S. Hegde, T.S. Sampath Kumar and R.M. Mallya, XPS, UPS and AES study of surface segregation and oxidation of Ni–Ru alloy: evidence for decrease in dissociation temperature of NiO in the presence of Ru 188 (1987) 255
M. Hock and J. Küppers, Interaction of hydrogen and oxygen at Ni(111) surfaces 188 (1987) 575

Palladium

J. Somers, M.E. Kordesch, Th. Lindner, H. Conrad, A.M. Bradshaw and G.P. Williams, An adsorbed diatomic molecule showing parallel bonding: CN/Pd(111) 188 (1987) L693
Y. Kuwahara, M. Fujisawa, M. Jo, M. Onchi and M. Nishijima, Interactions of Pd(110) with $(N_2 + N)$ – EELS, AES and LEED studies 188 (1987) 490
A. Palazov, G. Kadinov, Ch. Bonev and D. Shopov, Estimation of the number of CO molecules adsorbed in various modes on different crystal planes of alumina supported polycrystalline palladium 188 (1987) 505

Photoconductivity

K.C. Mandal, S. Basu and D.N. Bose, Effect of surface modification on sub-bandgap response of n-CdTe photoelectrodes 188 (1987) 235

Photoelectron spectroscopy

B.J. Knapp, J.C. Hansen, J.A. Benson and J.G. Tobin, The electronic structure of gold overlayers on Cu(100) 188 (1987) L675
C.F. McConville, D.L. Seymour, D.P. Woodruff and S. Bao, Synchrotron radiation core level photoemission investigation of the initial stages of oxidation of Al(111) 188 (1987) 1
J.M. Mundenar, A.P. Baddorf, E.W. Plummer, L.G. Sneddon, R.A. Didio and D.M. Zehner, Oxygen chemisorption on copper (110) 188 (1987) 15

T. Komeda, Y. Sakisaka, M. Onchi, H. Kato, S. Masuda and K. Yagi, Angle-resolved photoemission study of the interaction of oxygen with a Ni(110) surface. I. Adsorption at 80 K 188 (1987) 32
T. Komeda, Y. Sakisaka, M. Onchi, H. Kato, S. Masuda and K. Yagi, Angle-resolved photoemission study of the interaction of oxygen with a Ni(110) surface. II. Adsorption at 300 K 188 (1987) 45
P.B. Smith and S.L. Bernasek, The adsorption of water on TiO_2(001) 188 (1987) 241
M.S. Hegde, T.S. Sampath Kumar and R.M. Mallya, XPS, UPS and AES study of surface segregation and oxidation of Ni–Ru alloy: evidence for decrease in dissociation temperature of NiO in the presence of Ru 188 (1987) 255
YoungPak Lee, A.J. Bevolo and D.W. Lynch, Studies of the initial oxidation of Fe–Si alloys by AES, XPS and EELS 188 (1987) 267
R.J. Gorte, E. Altman, G.R. Corallo, M.R. Davidson, D.A. Asbury and G.B. Hoflund, A characterization of thin titania layers deposited on polycrystalline Pt using ISS and ESCA 188 (1987) 327
C. Egawa, T. Aruga and Y. Iwasawa, Epitaxial growth of Fe overlayers on the Ru(001) surface 188 (1987) 563

Piezo electric effect

L. Fernández, V.R. Velasco and F. Garcia-Moliner, Bulk and surface Bleustein–Gulyaev waves in piezoelectric superlattices 188 (1987) 140

Platinum

M.A. Henderson, G.E. Mitchell and J.M. White, The decomposition of formaldehyde on Pt(111): a TPD and HREELS study 188 (1987) 206
S.Y. Hwang, E.G. Seebauer and L.D. Schmidt, Decomposition of CH_3NH_2 on Pt(111) 188 (1987) 219
R.J. Gorte, E. Altman, G.R. Corallo, M.R. Davidson, D.A. Asbury and G.B. Hoflund, A characterization of thin titania layers deposited on polycrystalline Pt using ISS and ESCA 188 (1987) 327
J. Canullo, Y. Uchida, G. Lehmpfuhl, T. Twomey and D.M. Kolb, An electron microscopic investigation of the electrochemical facetting of platinum 188 (1987) 350

Raman scattering

C. Pettenkofer, I. Mrozek, T. Bornemann and A. Otto, On the contribution of classical electromagnetic field enhancement to Raman scattering from adsorbates on coldly deposited silver films 188 (1987) 519

Rhodium

W. Nichtl, N. Bickel, L. Hammer, K. Heinz and K. Müller, Surface relaxation change by hydrogen adsorption on Rh(110) 188 (1987) L729
L. Bugyi and F. Solymosi, Interaction of NO with clean and K-dosed Rh(111) surfaces. I. AES, TDS and work function studies 188 (1987) 475

Ruthenium

C.H. Mak, J.L. Brand, B.G. Koehler and S.M. George, Isotope effect in the surface diffusion of hydrogen and deuterium on Ru(001) 188 (1987) 312
J.P.S. Badyal, A.J. Gellman and R.M. Lambert, The origin of certain features in the Auger spectrum of Ru(0001): impurities, Auger transitions or diffraction effects? 188 (1987) 557
C. Egawa, T. Aruga and Y. Iwasawa, Epitaxial growth of Fe overlayers on the Ru(001) surface 188 (1987) 563

Silicon

J.N. Carter, V.M. Dwyer and B.W. Holland, Empirical tight binding cluster method for semiconductor surface structures 188 (1987) L723
Y. Uchida and G. Lehmpfuhl, Reflection electron microscopic observation of crystal surfaces on a Si cylindrical specimen 188 (1987) 364
P. Funke and G. Materlik, Adsorption sites of bromine on Si(111)1 × 1 and 7 × 7 surfaces 188 (1987) 378
J. Aarts and P.K. Larsen, Monolayer and bilayer growth on Ge(111) and Si(111) 188 (1987) 391
P.M. Agrawal, L.M. Raff and D.L. Thompson, Effect of the lattice model on the dynamics of dissociative chemisorption of H_2 on a Si(111) surface 188 (1987) 402

Silicon nitride

H.-C. Wang, R.-F. Lin and X. Wang, High temperature nitridation structures of the Si(111)-(7 × 7) surface 188 (1987) 199

Silicon oxide

P. Hoffmann and E. Knözinger, Novel aspects of mid and far IR Fourier spectroscopy applied to surface and adsorption studies on SiO_2 188 (1987) 181

Silver

F. Varnier, N. Mayani, G. Rasigni, M. Rasigni and A. Llebaria, Study of the surface roughness for thin films of LiF and Ag/LiF 188 (1987) 107
M. Paunov and E. Bauer, A multimethod study of the condensation of Ag on Mo(110) 188 (1987) 123
E. Holub-Krappe, K. Horn, J.W.M. Frenken, R.L. Krans and J.F. van der Veen, Multilayer relaxation at the Ag(110) surface 188 (1987) 335
C. Pettenkofer, I. Mrozek, T. Bornemann and A. Otto, On the contribution of classical electromagnetic field enhancement to Raman scattering from adsorbates on coldly deposited silver films 188 (1987) 519

Solid–electrolyte interface

J. Canullo, Y. Uchida, G. Lehmpfuhl, T. Twomey and D.M. Kolb, An electron microscopic investigation of the electrochemical facetting of platinum 188 (1987) 350

Surface diffusion

C.H. Mak, J.L. Brand, B.G. Koehler and S.M. George, Isotope effect in the surface diffusion of hydrogen and deuterium on Ru(001) 188 (1987) 312

Surface energy

Y.R. Wang, C.B. Duke and C. Mailhiot, Electronic and atomic structure of cleavage faces of ZnSe 188 (1987) L708

Surface phonons

J.M. Mundenar, A.P. Baddorf, E.W. Plummer, L.G. Sneddon, R.A. Didio and D.M. Zehner, Oxygen chemisorption on copper (110) 188 (1987) 15

L. Fernández, V.R. Velasco and F. Garcia-Moliner, Bulk and surface Bleustein–Gulyaev waves in piezoelectric superlattices 188 (1987) 140

Surface roughness

F. Varnier, N. Mayani, G. Rasigni, M. Rasigni and A. Llebaria, Study of the surface roughness for thin films of LiF and Ag/LiF 188 (1987) 107

Surface segregation

M.S. Hegde, T.S. Sampath Kumar and R.M. Mallya, XPS, UPS and AES study of surface segregation and oxidation of Ni–Ru alloy: evidence for decrease in dissociation temperature of NiO in the presence of Ru 188 (1987) 255

S. Mukherjee and J.L. Morán-López, Theory of surface segregation in transition-metal alloys 188 (1987) L742

Surface states

E.V. Chulkov, V.M. Silkin and E.N. Shirykalov, Surface electronic structure of Be(0001) and Mg(0001) 188 (1987) 287

J.E. Inglesfield, The screening of an electric field at an Al(001) surface 188 (1987) L701

Surface structure, see also Low energy electron diffraction

W. Nichtl, N. Bickel, L. Hammer, K. Heinz and K. Müller, Surface relaxation change by hydrogen adsorption on Rh(110) 188 (1987) L729

M. Garofalo, E. Tosatti and F. Ercolessi, Structure, energetics, and low-temperature behaviour of the Au(110) reconstructed surface 188 (1987) 321

E. Holub-Krappe, K. Horn, J.W.M. Frenken, R.L. Krans and J.F. van der Veen, Multilayer relaxation at the Ag(110) surface 188 (1987) 335

P. Funke and G. Materlik, Adsorption sites of bromine on Si(111)1 × 1 and 7 × 7 surfaces 188 (1987) 378

H.C. Zeng, R.N.S. Sodhi and K.A.R. Mitchell, A LEED crystallographic analysis for the Cu(100)c(2 × 2)-N surface structure 188 (1987) 599

Surface thermodynamics

H. Derks, J. Möller and W. Heiland, The short range order surface structure of Au(110) in the range of the (1 × 2) to (1 × 1) phase transition 188 (1987) L685

Thermal desorption

M. Paunov and E. Bauer, A multimethod study of the condensation of Ag on Mo(110) 188 (1987) 123
M.A. Henderson, G.E. Mitchell and J.M. White, The decomposition of formaldehyde on Pt(111): a TPD and HREELS study 188 (1987) 206
S.Y. Hwang, E.G. Seebauer and L.D. Schmidt, Decomposition of CH_3NH_2 on Pt(111) 188 (1987) 219
C.H. Mak, J.L. Brand, B.G. Koehler and S.M. George, Isotope effect in the surface diffusion of hydrogen and deuterium on Ru(001) 188 (1987) 312
E. Lisowski, L. Stobiński and R. Duś, On the influence of the way of thin gold films preparation on the character of hydrogen adsorption 188 (1987) L735
L. Bugyi and F. Solymosi, Interaction of NO with clean and K-dosed Rh(111) surfaces. I. AES, TDS and work function studies 188 (1987) 475
M. Hock and J. Küppers, Interaction of hydrogen and oxygen at Ni(111) surfaces 188 (1987) 575
G.A. Attard and D.A. King, Two-dimensional surface alloys: copper on W(100) 188 (1987) 589

Titanium oxide

P.B. Smith and S.L. Bernasek, The adsorption of water on TiO_2(001) 188 (1987) 241
R.J. Gorte, E. Altman, G.R. Corallo, M.R. Davidson, D.A. Asbury and G.B. Hoflund, A characterization of thin titania layers deposited on polycrystalline Pt using ISS and ESCA 188 (1987) 327

Tungsten

G.A. Attard and D.A. King, Two-dimensional surface alloys: copper on W(100) 188 (1987) 589

Tunneling

J. Bono and R.H. Good, Jr., Conductance oscillations in scanning tunneling microscopy as a probe of the surface potential 188 (1987) 153

Water

P.B. Smith and S.L. Bernasek, The adsorption of water on TiO_2(001) 188 (1987) 241

Work function

E. Lisowski, L. Stobiński and R. Duś, On the influence of the way of thin gold films preparation on the character of hydrogen adsorption 188 (1987) L735

L. Bugyi and F. Solymosi, Interaction of NO with clean and K-dosed Rh(111) surfaces. I. AES, TDS and work function studies 188 (1987) 475
C. Egawa, T. Aruga and Y. Iwasawa, Epitaxial growth of Fe overlayers on the Ru(001) surface 188 (1987) 563
G.A. Attard and D.A. King, Two-dimensional surface alloys: copper on W(100) 188 (1987) 589

X-ray absorption

J. Somers, M.E. Kordesch, Th. Lindner, H. Conrad, A.M. Bradshaw and G.P. Williams, An adsorbed diatomic molecule showing parallel bonding: CN/Pd(111) 188 (1987) L693

X-ray diffraction

P. Funke and G. Materlik, Adsorption sites of bromine on Si(111)1 × 1 and 7 × 7 surfaces 188 (1987) 378

Zinc oxide

L. Fernández, V.R. Velasco and F. Garcia-Moliner, Bulk and surface Bleustein–Gulyaev waves in piezoelectric superlattices 188 (1987) 140

Zinc selenide

Y.R. Wang, C.B. Duke and C. Mailhiot, Electronic and atomic structure of cleavage faces of ZnSe 188 (1987) L708
T.A. Pakkanen, V. Nevalainen, M. Lindblad and P. Makkonen, Surface models for ZnS thin films. Theoretical studies on the mechanism of the growth of zinc sulfide by atomic layer epitaxy techniques 188 (1987)